



Missouri
Department of
Natural Resources

Associated Electric Cooperative, Inc.
Power Plant Name: New Madrid
Electric Generation and Emissions in 2010

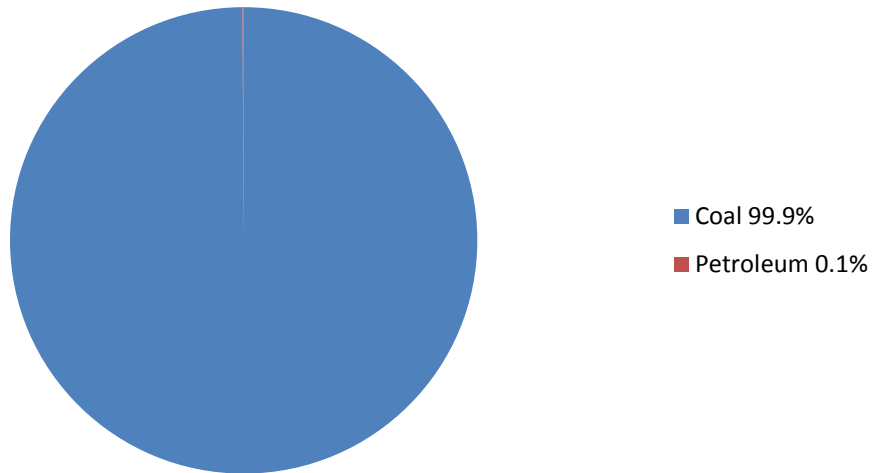
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal	75,316,869	99.9%	99.9%	7,490,140	99.9%	99.9%
Natural Gas						
Petroleum	60,371	0.1%	0.1%	6,005	0.1%	0.1%
Nuclear						
Other						
Non-renewable total	75,377,240	100.0%	100.0%	7,496,145	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	75,377,240		100.0%	7,496,145		100.0%

Fuel Type	Physical Units	Number of Units
Sub-bituminous Coal	Short Tons	4,351,496
Distillate Fuel Oil	Barrels	10,267



Net Generation by Fuel Type, 2010 for New Madrid





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Power Plant Nameplate information for New Madrid

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>New Madrid</i>		<i>All Operating Generators</i>			<i>4,800.0</i>
New Madrid	New Madrid	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,400.0
New Madrid	New Madrid	2	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,400.0



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Emissions from Electricity Generated in 2010: New Madrid

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
New Madrid	273,734,706	32,238,885	3,653,790	531,504

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
New Madrid	38,606	0.0009	0.0009

Identified Flue Gas Desulfurization (FGD) controls installed on New Madrid power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on New Madrid power plant

Plant	Control Equipment
New Madrid	Electrostatic precipitator, cold side, without flue gas conditioning



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>